

ABSTRACT

Sub B17

A translation loop modulator is disclosed for a transmission circuit in a communication system. The translation loop modulator includes an input modulation unit for receiving at least one input signal that is representative of information to be modulated. The input modulation unit also receives a feedback signal, produces an intermediate modulated signal responsive to the input signal and the feedback signal. The modulator also includes a comparator unit that receives the intermediate modulated signal and a reference signal, and produces an output transmission signal responsive to the intermediate modulated signal and the reference signal. The modulator also includes feedback circuitry that is coupled to the output transmission signal, and to the reference signal. The feedback circuitry is also coupled to the input modulation unit and produces the feedback signal responsive to the output transmission signal and the reference signal.